

## Benefits at a glance

- Seamless processing of magnetic stripe and chip cards
- Flexible positioning for faster transactions
- Secure PIN authentication
- Versatile communication interfaces



# Hybrid Card Controller

Secure hybrid card reader  
for high speed points of sale



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Hybrid Card Controller is a card reader for magnetic stripe and chip card transactions. It has been designed to meet the specific requirements of retailers and oil companies which value fast transactions. Together with a Thales PIN pad, Hybrid Card Controller provides a versatile solution for Chip and PIN in high volume transaction environments.



### Secure PIN authentication

Hybrid Card Controller supports the latest electronic cash and EMV specifications as well as the ZKA and PED security requirements for offline and online transactions. Encrypted communication between the PIN pad and Controller ensures complete security for sensitive transaction data.

### Seamless processing of magnetic stripe and chip cards

On card insertion, Hybrid Card Controller reads the chip or magnetic stripe thus ensuring straightforward and consistent handling. This avoids confusion between different card types and ensures faster transactions.

### Flexible positioning for faster transactions

Used with a Hypercom PIN pad, Hybrid Card Controller allows the card reader to be located for easy access by the cardholder or by the cashier. With its compact design and a variety of positioning options, Hybrid Card Controller optimises counter space.

### Versatile communication interfaces

Hybrid Card Controller supports connection to cash registers and to all Hypercom integrated payment solutions either in RS 232 or USB mode. With Hybrid Card Controller, new installations and existing systems can be easily upgraded to Chip and PIN transactions.



### Processor

- 32-bit RISC processor
- DES, 3-DES, RSA

### Memory

- 1 MB Flash
- 128 KB RAM

### Card readers

- Hybrid chip and magnetic stripe card reader (3 tracks)
- 1 SAM connector
- Plug-in extension for additional 2 SAMs
- Green/red LED

### Interfaces

- RS 232 for terminal/host/PC connection
- RS 232 for PIN pad connection (optional)
- USB (optional)
- TCP/IP interface (optional)

### Power supply

- 8 – 24 VDC, 60 mA at 12 V
- Optional power supply

### Positioning

- Angle: 80 or 90 degrees
- Base can be fixed to the counter

### Dimensions

- 140 x 105 x 70 (H x W x L in mm)

### Weight

- 275 g

### Approvals

- PED approval, online/offline
- ZKA security approval
- EMV Level 1
- EMV Level 2

### Software and services

- Software download via terminal
- Automatic configuration on installation



the new name of Thales e-Transactions

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